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NEWS 2 Dec 17 Expanded CAplus Coverage of US, Japanese, WIPO, EPO, and German patents
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NEWS 4 Feb 28 Patent Information Now Searchable in CAOLD
NEWS 5 Mar 20 INPADOC: PRODUCER WARNING ABOUT DATA DELAYS
NEWS 6 Mar 22 NEW FEATURES IN INPADOC - RANGE SEARCHING AND NEW SDI/UPDATE SEARCH FIELD
NEWS 7 May 1 Beilstein Abstracts on STN - FILE BABS
NEWS 8 May 1 RN CROSSOVER AND ANSWER SIZE LIMITS INCREASED
NEWS 9 May 1 AIDSLINE has been reloaded
NEWS 10 May 1 Searching Y2-K compliant Patent Numbers
NEWS 11 May 9 Sequence Similarity Batch Search in DGENE

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=> s glucosamine/cn

L1 1 GLUCOSAMINE/CN

=> index patent

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FULL ESTIMATED COST

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INDEX 'CAOLD, CAPLUS, APIPAT, APIPAT2, CROPU, DGENE, DPCI, EUROPATFULL, IFIPAT,
INPADOC, JAPIO, PAPERCHEM2, PATDD, PATDPA, PATOSDE, PATOSEP, PATOSWO,
PIRA, RAPRA, TULSA, TULSA2, USPATFULL, WPIDS, WPINDEX'

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0* FILE INPADOC
0* FILE JAPIO
0* FILE PATDD
0* FILE PATDPA
0* FILE PATOSDE
0* FILE PATOSEP
0* FILE PATOSWO
4 FILE PIRA
4 FILE TULSA
4 FILE TULSA2
0* FILE USPATFULL
1 FILE WPIDS
0* FILE WPINDEX

4 FILES HAVE ONE OR MORE ANSWERS, 24 FILES SEARCHED IN STNINDEX

L2 QUE L1

=> file hit

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=> s 12

L3

13 L2

=> dup rem 13

PROCESSING COMPLETED FOR L3
L4 9 DUP REM L3 (4 DUPLICATES REMOVED)

=> d ibib ab 1-9

L4 ANSWER 1 OF 9 TULSA COPYRIGHT 2000 UTULSA DUPLICATE 1
ACCESSION NUMBER: 1999:23740 TULSA
DOCUMENT NUMBER: 712941
TITLE: A BRINE FOR DRILLING OPERATIONS
INVENTOR: HALLIDAY, W S; CLAPPER, D K
PATENT ASSIGNEE: BAKER HUGHES INC
PATENT INFO.: GB 2334279 A 19990818
APPLN. INFO.: GB 19990212
PRIORITY INFO.: US 1998-74596 19980213
SOURCE: GR BRIT 2,334,279A, P 8/18/1999, F 2/12/1999, PR US
2/13/1998 (APPL 60/074,596) (C09K-007/02) (16 PP; 20
CLAIMS). ; Patent
LANGUAGE: English

AB A brine for use during drilling operations comprises water as a continuous phase and a low molecular weight, water-soluble organic compound in an amount effective to reduce the crystallization point of the brine. The low molecular weight, water-soluble organic compound may be an alcohol, polyol, glycol, polyglycol, polyalkyleneoxide, alkyleneoxide copolymer, alkylene glycol ether, polyalkyleneoxide glycol ether, carbohydrate, amino acid, or amino sulfonate. The preferred compounds are ethylene glycol and tripropylene glycol bottoms.

L4 ANSWER 2 OF 9 PIRA COPYRIGHT 2000 PIRA
ACCESSION NUMBER: 1998:12720 PIRA
DOCUMENT NUMBER: 40017896
TITLE: Corneal Lens Secretion in Newly Emerged Drosophila
Melanogaster Examined by Electron Microscope
Autoradiography
AUTHOR: Yoon C S; Hirosawa Y; Suzuki E
SOURCE: J. Electron Microsc., (1997) vol. 46, no. 3, 1997, pp
243-246. ISSN: 0022-0744.

DOCUMENT TYPE: JOURNAL
LANGUAGE: ENGLISH
FILE SEGMENT: 06; IA
AB A study is described of the use of electron microscope autoradiography to examine Drosophila corneal lens secretion. Both amino acids (leucine, lycine, phenylalanine, proline and tyrosine) and sugars (glucosamine and mannose) were labelled with tritium, in the lens secretion obtained from newly emerged flies. A clear gradient of the concentration of [**3H] sugars was observed from the centre to the periphery of the lens base, whereby conclusions could be drawn concerning the structure of the corneal lens. 11 refs.

L4 ANSWER 3 OF 9 PIRA COPYRIGHT 2000 PIRA
ACCESSION NUMBER: 96:8241 PIRA
DOCUMENT NUMBER: 20049656
TITLE: DEVELOPMENT OF BIOPOLYMER ADSORBENTS FOR HEAVY METAL
ION SEPARATIONS
AUTHOR: Rorrer G L; Hsien T-Y
SOURCE: (1996) 1996 Minimum Effluent Mills Symposium, Atlanta,
GA, USA, 22-24 Jan. 1996, pp 261-267 [Atlanta, GA,
USA: TAPPI Press, 1996, 384pp, \$66.50 (ISBN
0-89852-656-6)] (C, K, P, S).

DOCUMENT TYPE: CONFERENCE
LANGUAGE: ENGLISH
FILE SEGMENT: 01; PB
AB The future use of transition metal selective biopolymer adsorbents in the control of heavy metal ion accumulation in TCF bleaching sequence wash

waters is proposed. Chitosan is a glucosamine biopolymer obtained from the shells of marine organisms. It is a cheap, plentiful and environmentally favourable material that shows a high selectivity towards heavy metal ions over alkali metal ions, even in minute concentrations. Chitosan biopolymer beads have been synthesised with an internal surface area over 200 sq m/g of adsorbent. They show high selectivity towards toxic heavy metal ions over sodium metal ions. Adsorption capacities for cadmium ions are nearly 200mg of metal per gram of adsorbent. Chemical enhancement allows the adsorbent to be used in aggressive chemical environments. (9 fig, 3 tab, 14 ref)

L4 ANSWER 4 OF 9 PIRA COPYRIGHT 2000 PIRA
ACCESSION NUMBER: 95:85716 PIRA
DOCUMENT NUMBER: 41601436
TITLE: CHITIN PHOTOGRAPHIC AGENT
INVENTOR(S): Kojima T
PATENT ASSIGNEE(S): FUJI PHOTO FILM CO

| | NUMBER | DATE |
|------------------------|------------|-------------|
| PATENT INFORMATION: | US 5155004 | 13 Oct 1992 |
| PRIORITY APPLN. INFO.: | JP | 14 Mar 1990 |
| SOURCE: | (1992) . | |
| DOCUMENT TYPE: | PATENT | |
| LANGUAGE: | ENGLISH | |
| FILE SEGMENT: | 06; IA | |

AB A silver halide photographic material consists of a support on which is provided at least one silver halide emulsion layer; this layer contains a chitosan or chitin compound, which possesses a photographically useful group. It is a tetrahydropyran, substituted on the 2-carbon atom with CH 2OH, on the 3- and 6- carbon atoms with a -O- atom, on the 4-carbon atom with a hydroxy group, and on the 5-carbon atom with an amino group. The unsatisfied valencies on the two oxygen atoms serve to bind neighbouring molecules together, and there are in addition two other groups (one of which contains a photographically useful group) which bond the material into a glucosamine unit.

L4 ANSWER 5 OF 9 TULSA COPYRIGHT 2000 UTULSA DUPLICATE 2
ACCESSION NUMBER: 88:12819 TULSA
DOCUMENT NUMBER: 443246
TITLE: ABSENCE OF PRESERVED GLUCOSAMINE AND AMINO ACIDS IN FOSSIL CRUSTACEAN EXOSKELETONS
AUTHOR: SCHIMMELMANN, A; KRAUSE, R G F; DENIRO, M J
CORPORATE SOURCE: SCRIPPS INST OCEANOGR; CALIF UNIV, LOS ANGELES
SOURCE: ORGANIC GEOCHEM V 12, NO 1, PP 1-5, 1988 (ISSN 01466380; 33 REFS). ; Journal
LANGUAGE: English

AB No glucosamine and only traces of amino acids were detected in kerogen prepared from fossil crustacean exoskeletons. The elemental C/N ratios of the kerogen samples were above 20, indicating that most of the organic nitrogen was eliminated from the chitin biopolymer during diagenesis. These results contradict earlier reports of the stability of chitin during fossilization.

L4 ANSWER 6 OF 9 TULSA COPYRIGHT 2000 UTULSA DUPLICATE 3
ACCESSION NUMBER: 81:18275 TULSA
DOCUMENT NUMBER: 307047
TITLE: GLUCOSAMINE AS A BIOCHEMICAL MARKER FOR DINOFLAGELLATES IN PHOSPHATISED SEDIMENTS
AUTHOR: BELAYOUNI, H; TRICHET, J
SOURCE: ADVANCES IN ORGANIC GEOCHEMISTRY 1979 (BOOK: ISB 0-08-024017-8) PERGAMON PRESS, OXFORD, ENGL; PP 205-210, 1980 (PHYS CHEM EARTH V 12).

LANGUAGE: English
AB Microscopic studies have shown that dinoflagellate cysts are well preserved in the phosphatized sediments in the Tunisian Basin of Gafsa. The composition of these cysts has been studied and it has been shown that N-acetyl glucosamine is an essential component. This has been done by

measuring the content of glucosamine colorimetrically, chromatographically and optically by specific marking of the N-acetyl glucosamine with a fluorescent lectin. More than 80% of the glucosamine contained in the rock appears to be concentrated in dinoflagellate cysts. This amino-sugar can be considered as a geochemical fossil from these organisms. (28 refs.)

L4 ANSWER 7 OF 9 PIRA COPYRIGHT 2000 PIRA
ACCESSION NUMBER: 95:23043 PIRA
DOCUMENT NUMBER: 40201241
TITLE: QUANTITATIVE EM-AUTORADIOGRAPHIC STUDIES ON THE
TRANSPORT OF RADIOLABELLED GLYCOPROTEIN
AUTHOR: Ginsell L A; Onderwater J J M; Daems Th W
SOURCE: Ultramicroscopy, (1979) 4, (1), 140.
DOCUMENT TYPE: JOURNAL
LANGUAGE: ENGLISH
FILE SEGMENT: 06; IA
AB transport of **22H-fucose and **3H-glucosamine in cultured cells studied;
abstract only.

L4 ANSWER 8 OF 9 TULSA COPYRIGHT 2000 UTULSA DUPLICATE 4
ACCESSION NUMBER: 77:502 TULSA
DOCUMENT NUMBER: 229003
TITLE: PRELIMINARY RESULT OF AMINO ACID AND AMINO-SUGAR
DETERMINATION ON A 200-METER CORE SAMPLE FROM LAKE BIWA
AUTHOR: MIZUNO, A; TERASHIMA, M
SOURCE: BOOK, KYOTO UNIV, KYOTO; V 2, PP 219-224, 1974 (AO).
LANGUAGE: English; Japanese

L4 ANSWER 9 OF 9 WPIDS COPYRIGHT 2000 DERWENT INFORMATION LTD
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=> index bioscience

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| FULL ESTIMATED COST | 23.23 | 29.68 |

INDEX 'ADISALERTS, ADISINSIGHT, AGRICOLA, AIDSLINE, ANABSTR, AQUASCI,
BIOBUSINESS, BIOCOMMERCE, BIOSIS, BIOTECHABS, BIOTECHDS, BIOTECHNO, CABA,
CANCERLIT, CAPLUS, CEABA, CEN, CIN, CONFSCI, CROPB, CROPU, DDFB, DDFU,
DGENE, DRUGB, DRUGLAUNCH, DRUGMONOG2, ...' ENTERED AT 18:05:17 ON 09 MAY 2000

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| 36 | FILE ANABSTR |
| 0* | FILE AQUASCI |
| 140 | FILE BIOCERNS |
| 0* | FILE BIOCOMMERCE |
| 2629 | FILE BIOSIS |
| 434 | FILE BIOTECHNO |
| 0* | FILE CABA |
| 493 | FILE CANCERLIT |
| 0* | FILE CAPLUS |
| 0* | FILE CEABA |
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| 10 | FILE CIN |

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24 FILE DRUGLAUNCH
117 FILE DRUGMONOG2
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3123 FILE MEDLINE
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L6 188 L5 AND ESCHERICHIA?

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| FULL ESTIMATED COST | 101.82 | 135.55 |

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